

Geometry

Homework #20

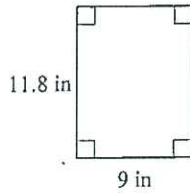
Name _____

Date _____ T/P _____

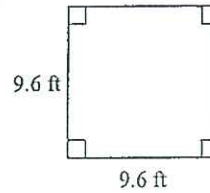
Find the area of each.

Square $A: S^2$
 Rectangle $A: L \cdot W$

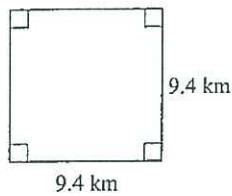
1)



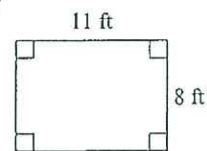
2)



3)



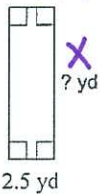
4)



_____ in.²

Find the missing measurement. Round your answer to the nearest tenth.

5)

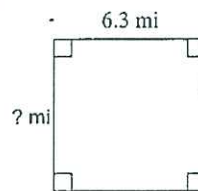
Area = 21 yd²

*use a variable for the?

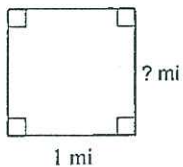
$$A = L \cdot W$$

$$21 = 2.5 \cdot X \quad (\text{solve})$$

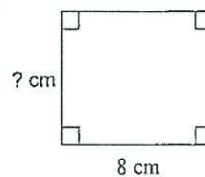
6)

Area = 39.7 mi²

7)

Area = 1 mi²

8)

Area = 56 cm²

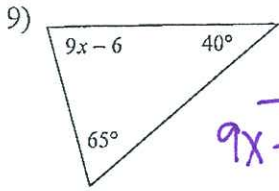
① How many degrees are in a triangle? _____°

② Create an equation.
- Sum all angles

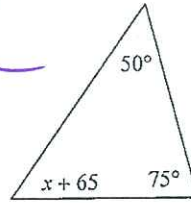
- Set = 180°

$$9x - 6 + 40 + 65 = 180$$

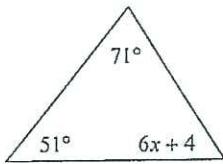
Solve for x.



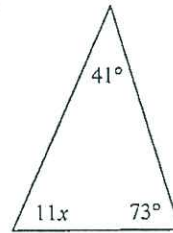
10)



11)

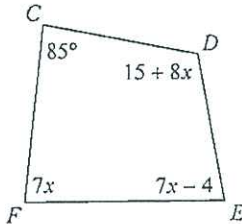


12)



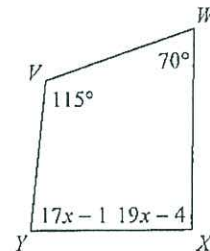
Find the measure of each angle indicated.

13) $m\angle F$

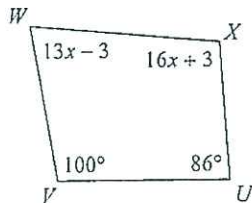


$$85 + 15 + 8x + 7x + 7x - 4 = 360$$

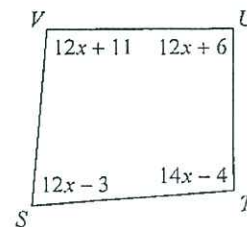
14) $m\angle Y$



15) $m\angle W$



16) $m\angle V$



① How many degrees are in a quadrilateral? _____°
② Create an equation.
- Sum all angles
- Set = 360°